

Alumasc Water Management Solutions



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CPD Overview

Alumasc Water Management Solutions (AWMS), part of Alumasc Group, is the first joined-up brand in integrated water management. Alumasc has been promoting the efficient use, retention, recycling and disposal of water for over 80 years.

AWMS brings together the expertise of five trusted brands in water management to provide one simple solution – Rain to Drain. Each brand is well known for innovation, quality and outstanding support. They include: Skyline Architectural Aluminium; Alumasc Rainwater Gutters & Downpipes; Harmer Building Drainage; Wade Building Drainage and Gatic Drainage & Access Covers.

Under the AWMS banner, customers benefit from rainwater and drainage products that capture, retain and control the flow of rainwater in the most effective way inside and outside buildings from originating source to water course, sewer or ground.



Available CPD Material (7)



Aluminium Fascia, Soffit and Coping systems: Mitigating the risk - a Complete Guide to Design and Specification

This CPD aims to provide a complete guide to the design and specification of Aluminium fascia, soffit and coping systems. Topics covered include design, design limitations and fire ratings, mitigating the client's risk, installation and different project applications, and how this affects product specification. By the end of the seminar you should have a greater understanding of:

- The types of aluminium fascia soffit, copings and other sub ranges and where they can be designed into the built environment
- The use of aluminium pressed sheet in these ranges and applications for use.
- The design considerations and designs limitations for these systems
- The installation environment and application processes that will ensure the optimum system design

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



A Complete Guide: Internal Floor Drainage, Design and Specification

This seminar looks at the design principles and specification details and considerations for internal floor drainage. It will cover specific applications and care and maintenance and will help you to understand the following topics:

- The defining characteristics and differences of floor gullies and floor channels and the differences between trapped and un-trapped gullies
- Design principles, regulations and British Standards BS EN 1253, BS EN 1422 and BS EN 12056
- Specification principles based on the two key issues, traffic environment and flow rates required
- The different floor construction and finishes and how this affects specification
- The different project applications and how this affects product specification

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Rainwater Disposal from Pitched Roofs

This seminar is about rainwater disposal from pitched roofs. It covers design principles and installation details and considerations. It will help you to understand the following topics:

- BS EN 12056: Part 3: Gravity Drainage Systems Inside Buildings: Roof Drainage, Layout and Calculation, including the sizing of gutters and downpipes
- System design and the factors that influence it, such as rainfall intensity and effective roof area
- Installation details and considerations of all external factors
- The importance of maintenance of rainwater systems for pitched roofs
- Specialist solutions that are available for parapet wall and balcony drainage

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness

Soil and Vent Drainage: A Complete Guide to Design and Specification



This seminar covers the specification of soil and vent drainage and pipework requirements when designing for above and below ground building drainage. It will help you to understand the following topics:

- What defines soil and vent drainage
- The relevant standards and regulations including an introduction to BS EN 12056 Pt 2 - standard for sizing, layout and hydraulic performance
- System design, the characteristics of different pipe material and methods of connection
- Pipework configuration for smooth flow, identifying blockage risk and access for cleaning
- Pressure relief by venting the system
- Requirement for noise limitation through transfer
- Pipework penetrations and fire compartmentalisation
- Product selection

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

Internal Rainwater Drainage



This seminar looks at internal rainwater drainage. It will help you to understand the following topics:

- Rainwater drainage design in relation to different roof constructions, including blue and green roof systems, building risk and protection
- The importance of robust specification and design consequence of changed specification
- The effective standard that guides all rainwater drainage design
- National and regional rainfall characteristics and how this affects design
- The importance of detailing to waterproofing membranes
- Different types of pipe, materials and methods of connection to rainwater outlets
- Care and maintenance of roof drainage systems

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

Internal Drainage - A Complete Solution



This seminar looks at key design considerations, gravity internal rainwater drainage, soil and vent drainage, product selection and maintenance.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness



Multiple formats

Architectural Aluminium - A Complete Guide to Design & Specification

This CPD takes a detailed look into the design and specification of architectural aluminium products such as fascia, soffit, coping, window surrounds, door canopies, column casings and planters. It also explores system design, specification guidance, installation, mitigating risks, maintenance, and health and safety in design to ensure that the finished product is fit for purpose, aesthetically pleasing, safe, sustainable and stands the test of time.

This CPD aims to cover:

1. Sustainability - A deep dive into the sustainability credentials of aluminium and lifespan of the material.
2. Fire Ratings - Relevant British Standards, Approved Document B, The Hackett Report, Building Safety Act etc.
3. Design Considerations - Considerations and limitations to consider when designing and specifying architectural detailing.
4. Installation - Environment and application processes that will ensure the optimum system design, functionality and longevity.
5. Maintenance - How to maintain optimum appearance and performance throughout the project lifespan.

By the end of the CPD seminar, delegates ought to:

1. Understand the difference between recyclable and sustainable materials, gain knowledge on what materials are sustainable and fit for purpose.
2. Better understand the fire rating requirements in this application and ability to specify products which will comply.
3. Know the limitations and considerations when designing these products and understand the limitations of aluminium as a material.
4. Be able to consider the installation of the products mentioned and how this will affect the design, longevity and health and safety aspects of the system and building.
5. Have the ability to produce adequate care and maintenance advice to contractors and client if required, in order to ensure the system is safe, fit for purpose and appearance is maintained.

This CPD is also available online.

Material type:

Online Learning, Seminar

Classifications

Subject/Product Areas (CI/SfB)

Services

Drainage > Channels, gullies and gratings

Engineering

Disposal systems > Rainwater drainage systems

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*